

PATENT
Atty. Docket No. CRP-155
(2054/123)

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

(Original, Design, National Stage of PCT, Supplemental, Divisional, Continuation or CIP)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHODS AND COMPOSITIONS FOR THE TREATMENT OF
MOTOR NEURON INJURY AND NEUROPATHY**

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to herein.

I acknowledge the continuing duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. §1.56.

PRIORITY CLAIM

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. §1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. NON-PROVISIONAL APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC §120:

U.S. APPLICATIONS (Application Serial No.)	U.S. FILING DATE	STATUS (patented, pending, aband.)
08/260,675	6/16/94	Pending
08/126,100	9/23/93	Abandoned
07/922,813	7/31/92	Abandoned
07/752,764	8/30/91	Abandoned
07/753,059	8/30/91	Abandoned
07/667,274	3/11/91	Abandoned

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

Steven M. Bauer	Reg. No. 31,481
Paula A. Campbell	Reg. No. 32,503
Joseph A. Capraro, Jr.	Reg. No. 36,471
John J. Cotter	Reg. No. 38,116
Gillian M. Fenton	Reg. No. 36,508
Duncan A. Greenhalgh	Reg. No. 38,678
William G. Guerin	Reg. No. 41,047
Douglas J. Kline	Reg. No. 35,574
John D. Lanza	Reg. No. 40,060
Timothy P. Linkkila	Reg. No. 40,702
Robin R. Longo	Reg. No. 40,071
Thomas C. Meyers	Reg. No. 36,989
Edmund R. Pitcher	Reg. No. 27,829
Kurt Rauschenbach	Reg. No. 40,137
Michelle B. Rosenberg	Reg. No. 40,792
J. Scott Southworth	Reg. No. 39,382
Christopher W. Stamos	Reg. No. 35,370
Thomas A. Turano	Reg. No. 35,722
Michael J. Twomey	Reg. No. 38,349
Patrick R. H. Waller	Reg. No. 41,418

Direct correspondence to:

Patent Administrator
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110

Direct telephone calls to:

Thomas C. Meyers (617) 248-7013

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURES

David C. Rueger

Full name of inventor

David C. Rueger

Inventor's signature

81 Pine Hill Road, Southborough, MA 01772

Residence

Same

Post Office Address

United States

Citizenship

1-23-98

Date

Kuber T. Sampath

Full name of inventor

Kuber T. Sampath

Inventor's signature

98 Pamela Drive, Holliston, MA 01746

Residence

Same

Post Office Address

United States

Citizenship

1-26-98

Date

Hermann Oppermann

Full name of inventor

Hermann Oppermann

Inventor's signature

Medway, Massachusetts

Residence

25 Summer Hill Road, Medway, MA 02053

Post Office Address

U.S.A.

Citizenship

1-23-98

Date

Roy H.L. Pang

Full name of inventor

U.S.A.

Citizenship

Inventor's signature

Date

Etna, New Hampshire

Residence

15 Partridge Road, Etna New Hampshire 03750

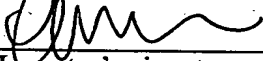
Post Office Address

Charles M. Cohen

Full name of inventor

United States

Citizenship



Inventor's signature

1/22/58

Date

1 Harrington Lane, Weston, MA 02193

Residence

Same

Post Office Address

PATENT
Atty. Docket No. CRP-155
(2054/123)

**COMBINED DECLARATION AND POWER OF ATTORNEY
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**METHODS AND COMPOSITIONS FOR THE TREATMENT OF
MOTOR NEURON INJURY AND NEUROPATHY**

the specification of which was filed on September 25, 1997 as Application Serial No.: 08/937,755.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to herein.

I acknowledge the continuing duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. §1.56.

PRIORITY CLAIM

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. §1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

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U.S. APPLICATIONS (Application Serial No.)	U.S. FILING DATE	STATUS (patented, pending, aband.)
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Douglas J. Kline	Reg. No. 35,574
John D. Lanza	Reg. No. 40,060
Timothy P. Linkkila	Reg. No. 40,702
Robin R. Longo	Reg. No. 40,071
Thomas C. Meyers	Reg. No. 36,989
Edmund R. Pitcher	Reg. No. 27,829
Kurt Rauschenbach	Reg. No. 40,137
Michelle B. Rosenberg	Reg. No. 40,792
J. Scott Southworth	Reg. No. 39,382
Christopher W. Stamos	Reg. No. 35,370
Thomas A. Turano	Reg. No. 35,722
Michael J. Twomey	Reg. No. 38,349
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Direct correspondence to:

Patent Administrator
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High Street Tower
125 High Street
Boston, MA 02110

Direct telephone calls to:

Thomas C. Meyers (617) 248-7013

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURES

David C. Rueger
Full name of inventor

United States
Citizenship

Inventor's signature
81 Pine Hill Road, Southborough, MA 01772
Residence
Same
Post Office Address

Date

Kuber T. Sampath
Full name of inventor

United States
Citizenship

Inventor's signature
98 Pamela Drive, Holliston, MA 01746
Residence
Same
Post Office Address

Date

Hermann Oppermann
Full name of inventor

U.S.A.
Citizenship

Inventor's signature
Medway, Massachusetts
Residence
25 Summer Hill Road, Medway, MA 02053
Post Office Address

Date

Roy H.L. Pang

Full name of inventor

Inventor's signature

Etna, New Hampshire

Residence

15 Partridge Road, Etna New Hampshire 03750

Post Office Address

U.S.A.

Citizenship

Date

February 23, 1998

Charles M. Cohen

Full name of inventor

Inventor's signature

1 Harrington Lane, Weston, MA 02193

Residence

Same

Post Office Address

United States

Citizenship

Date

PATENT APPLICATION
Attorney Docket No. 00960-511(CRP-155)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : Rueger, et al.
ASSIGNEE : Creative BioMolecules, Inc.
SERIAL NUMBER : 08/937,755 EXAMINER : J. Weatherspoon, Ph.D.
FILING DATE : September 25, 1997 ART UNIT : 1645
FOR : METHODS AND COMPOSITIONS FOR THE TREATMENT OF MOTOR NEURON
INJURY AND NEUTOPATHY

Assistant Commissioner for Patents
Washington, D.C. 20231

REVOCATION BY ASSIGNEE AND NEW POWER OF ATTORNEY

CREATIVE BIOMOLECULES, INC., a company and owner of the above-identified United States patent application 08/937,755, filed September 25, 1997, assignment recorded on March 13, 1998, at Reel 9047/Frame 0691, hereby revokes any and all former powers of attorney and appoints:

Attorney or Agent	Registration No.	Attorney or Agent	Registration No.
David B. Bernstein	32,112	John T. Prince	43,091
David F. Crosby	36,400	Brian Rosenbloom	41,276
Brett N. Dorny	35,860	Thomas M. Sullivan	39,392
Ivor R. Elrifi	39,529	Howard Susser	33,556
John A. Harre	37,345	Martin M. Zoltick	35,745
William Marino	44,219	Kristin E. Konzak	P-44,848
Leslie Meyer-Leon	37,381	Carol H. Peters	P-45,010
A. Jason Mirabito	28,161	Garfield B. Simms	P-45,109
Michel Morency	Limited Recognition	Shelby J. Walker	P-45,192

all of MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO PC, One Financial Center, Boston, Massachusetts 02111, as Applicants' attorneys with full power of substitution and revocation to take any and all action necessary with regard to the above-identified patent.

APPLICATION NO.

08/9.../55

APPLICANTS:

Rueger et al.

SEND CORRESPONDENCE TO:

Ivor R. Elrifi
Mintz Levin
One Financial Center
Boston, MA 02111

DIRECT TELEPHONE CALLS TO:

Ivor R. Elrifi, or
Michel Morency
(617) 542-6000

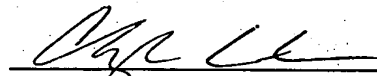
CREATIVE BIOMOLECULES, INC. certifies under 37 C.F.R. § 3.73(b) that it is the Assignee of the entire right, title and interest in the patent identified above by virtue of assignments of the patent identified above, copies of which are attached.

I, the undersigned, am empowered to act on behalf of the Assignee. Acting on behalf of the Assignee, I have reviewed all the documents in the chain of title of the patent identified above and, to the best of my knowledge and belief, title is in the Assignee identified above.

I, the undersigned, hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the patent.

Please charge any fee or any fee deficiency occasioned by this document to Deposit Account No. 50-0311.

Respectfully submitted,



Cheryl Lawton
Vice President, General Counsel
CREATIVE BIOMOLECULES, INC.

Date: ^{Sept.} ~~August~~ 10, 1999

TRADOCS: 1230605.1 (qjdh011.doc)



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
08/937,755	09/25/1997	DAVID C. RUEGER	CIBT-P01-511

CONFIRMATION NO. 2131



OC000000007162703

IVOR R ELRIFI
MINTZ LEVIN
ONE FINANCIAL CENTER
BOSTON, MA 02111

Date Mailed: 12/06/2001

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/05/2001.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).



Gloria J. Trammell
GLORIA J TRAMMELL
1600 7033084277

NEW ATTORNEY/AGENT COPY



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
08/937,755	09/25/1997	DAVID C. RUEGER	CIBT-P01-511

28120
ROPES & GRAY
ONE INTERNATIONAL PLACE
BOSTON, MA 02110-2624

CONFIRMATION NO. 2131



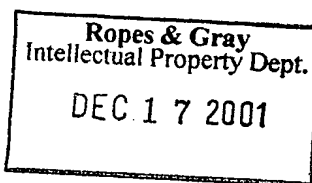
OC000000007162731

Date Mailed: 12/06/2001

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/05/2001.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.



Gloria J. Hammell
GLORIA J. TRAMMELL
1600 7033084277

ATTORNEY/APPLICANT COPY

REVIEWED BY DOCKETING

Express Mailing Label No. EJ695377 US
Date of Deposit: September 28, 1997



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 18, 1998

PTAS

TESTA, HURWITZ & THIBEAULT, LLP
MICHEL MORENCY
HIGH STREET TOWER
125 HIGH STREET
BOSTON, MA 02110



100670613A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/13/1998

REEL/FRAME: 9047/0691
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RUEGER, DAVID C.

DOC DATE: 01/22/1998

ASSIGNOR:

SAMPATH, KUBER T.

DOC DATE: 01/23/1998

ASSIGNOR:

COHEN, CHARLES M.

DOC DATE: 01/26/1998

ASSIGNOR:

OPPERMANN, HERMANN

DOC DATE: 02/23/1998

ASSIGNOR:

PANG, ROY H.L.

DOC DATE: 02/23/1998

ASSIGNEE:

CREATIVE BIOMOLECULES, INC.
45 SOUTH STREET
HOPKINTON, MASSACHUSETTS 01748

RECEIVED
TESTA, HURWITZ & THIBEAULT
MAY 28 1998
PATENT DOCKETED

9047/0691 PAGE 2

SERIAL NUMBER: 08937755
PATENT NUMBER:

FILING DATE: 09/25/1997
ISSUE DATE:

SHIRLIE SIMON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

03-23-1998

MAR 13 1998



100670613

To the Honorable Commissioner of

Attached original documents or copy thereof.

ATTORNEY DOCKET NO. CRP-155

1. Name of conveying party(ies):
David C. Rueger, Kuber T. Sampath, Charles M. Cohen, Hermann Oppermann and Roy H.L. Pang

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other -----

Execution Date: January 22, 23 and 26, 1998 and February 23, 1998, respectively

2. Name and address of receiving party(ies):

Name: Creative BioMolecules, Inc.
Street Address: 45 South Street

City: Hopkinton State: MA
Zip: 01748

Additional name(s) and address(es) attached?
☐ Yes ☒ No

4. Application number(s) or patent number(s): 1

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No. (s)
08/937,755

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patent Administrator
Testa, Hurwitz & Thibeault, LLP
Street Address: High Street Tower
125 High Street
City: Boston State: MA Zip: 02110

6. Total number of application and patents involved:
One (1)

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit Account Number: 20-0531

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement of signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michel Morency
Name of Person Signing

Signature

March 10, 1998
Date

Total number of pages comprising cover sheet, attachments and document: 7

Atty. Docket No. CRP-155
(2054/123)

ASSIGNMENT

WHEREAS, We, David C. Rueger, Kuber T. Sampath, Charles M. Cohen, Hermann Oppermann, and Roy H.L. Pang have invented one or more improvements in:

**METHODS AND COMPOSITIONS FOR THE TREATMENT OF
MOTOR NEURON INJURY AND NEUROPATHY**

described in an application (or provisional application) for Letters Patent of the United States:

☐ identified by Attorney Docket No. and/or executed by us of even date herewith and about to be filed in the United States Patent Office;

☒ Application No. 08/937,755 filed in the United States Patent Office on September 25, 1997; and

WHEREAS, Creative BioMolecules, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 45 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and

Joint Assignment
Page 2

we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor:

David C. Rueger
David C. Rueger

Commonwealth of Massachusetts)
County of) ss

Subscribed and sworn to before me, by the above-named David C. Rueger this 23
day of January, 1998.

Alyna Shepard
Notary Public
My Commission Expires: 11/26/2004

Inventor:

Kuber T. Sampath
Kuber T. Sampath

Commonwealth of Massachusetts)
County of) ss

Subscribed and sworn to before me, by the above-named Kuber T. Sampath this 26 day of
January, 1998.

Alyna Shepard
Notary Public
My Commission Expires: 11/26/04

Joint Assignment
Page 3

Inventor:

Charles M. Cohen
Charles M. Cohen

Commonwealth of Massachusetts)
County of) ss

Subscribed and sworn to before me, by the above-named Charles M. Cohen this 22 day of

January, 1998.

Alyna Shepard
Notary Public
My Commission Expires: 11/26/04

Inventor:

Hermann Oppermann
Hermann Oppermann

Commonwealth of Massachusetts)
County of) ss

Subscribed and sworn to before me, by the above-named Hermann Oppermann this 23
day of January, 1998.

Alyna Shepard
Notary Public
My Commission Expires: 11/26/04

Inventor:

Roy H.L. Pang
Roy H.L. Pang

Commonwealth of Massachusetts)
County of) ss

Subscribed and sworn to before me, by the above-named Roy H.L. Pang this _____ day of
_____, 1998.

Notary Public
My Commission Expires: _____

Atty. Docket No. CRP-155
(2054/123)

ASSIGNMENT

WHEREAS, We, David C. Rueger, Kuber T. Sampath, Charles M. Cohen, Hermann Oppermann, and Roy H.L. Pang have invented one or more improvements in:

**METHODS AND COMPOSITIONS FOR THE TREATMENT OF
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☐ identified by Attorney Docket No. and/or executed by us of even date herewith and about to be filed in the United States Patent Office;

☒ Application No. 08/937,755 filed in the United States Patent Office on September 25, 1997; and

WHEREAS, Creative BioMolecules, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 45 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and

Joint Assignment
Page 2

we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: _____

David C. Rueger

Commonwealth of Massachusetts)
County of) ss

Subscribed and sworn to before me, by the above-named David C. Rueger this _____
day of _____, 1998.

Notary Public

My Commission Expires: _____

Inventor: _____

Kuber T. Sampath

Commonwealth of Massachusetts)
County of) ss

Subscribed and sworn to before me, by the above-named Kuber T. Sampath this _____ day of
_____, 1998.

Notary Public

My Commission Expires: _____

Joint Assignment
Page 3

Inventor: _____

Charles M. Cohen

Commonwealth of Massachusetts)
County of _____) ss

Subscribed and sworn to before me, by the above-named Charles M. Cohen this _____ day of _____, 1998.

Notary Public

My Commission Expires: _____

Inventor: _____

Hermann Oppermann

NEW HAMPSHIRE
Commonwealth of ~~Massachusetts~~)
County of *Grafton*) ss

Subscribed and sworn to before me, by the above-named Hermann Oppermann this 23RD day of February, 1998.

Theresa J. Pelletier

Notary Public

My Commission Expires: My Commission Expires March 6, 2002

Inventor: _____

Roy H.L. Pang
Roy H.L. Pang

NEW HAMPSHIRE
Commonwealth of ~~Massachusetts~~)
County of *Grafton*) ss

Subscribed and sworn to before me, by the above-named Roy H.L. Pang this 23RD day of February, 1998.

Theresa J. Pelletier

Notary Public

My Commission Expires: My Commission Expires March 6, 2002